

ABSTRACT

DECISION SUPPORT SYSTEM FOR DETERMINING THE BEST LECTURERS IN THE FIELD OF LEARNING USING THE ANALYTICAL HIERARCHY PROCESS AND FUZZY ANALYTICAL HIERARCHY PROCESS METHODS

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This study aims to determine the extent to which the success rate of lecturers in delivering the courses they teach during learning activities takes place so that improvements can be made in the future if there are deficiencies. Beside that, in order to be able to produce DSS to determine the best lecturers in the field of learning by evaluating the learning system for lecturers based on national higher education standards in the fields of learning, research, and community service.

This research is a comparative descriptive type with qualitative and quantitative approaches using data collection techniques in the form of questionnaires. This study uses permanent lecturers in the field of information system and information technology as a sample test and uses the Analytical Hierarchy Process method to determine the main alternative in the form of best lecturers and the method as a comparison to accommodate the level of subjectivity carried out by the respondents in providing an assessment.

The result of the study shows that the AHP method is indeed the right method to be used for a decision support system to determine the best lecturer because this method can make unstructured problems flexible by grouping problem levels into a hierarchical structure so that they are easy to understand. In addition, the use of other methods, namely Fuzzy (Triangular Fuzzy Number) can minimize subjective assessments made by respondents.

Key Word : *The Best Lecturer In The Field Of Learning, Decision Support System, Analytical Hierarchy Process, Triangular Fuzzy Number.*